Commodore

A 2058

2–8 Mbyte Card Service Manual

1/89

Commodore

2 – 8 Mbyte RAM Board
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Setup the 2058 RAM board

The Amiga 2058 RAM expansion card can be configured as 2 megabytes, 4MB, or 8MB of fast memory and is easily installed inside the Amiga 2000. This additional memory is **added** to the existing 1MB of RAM. (The maximum amount of memory supportet by the A2000 is nine megabytes).

Note: If you have a Bridgeboard installed, your A2058 must be configured to 4MB or 2MB of memory in order for the Bridgeboard to run properly.

How to set up the A2058

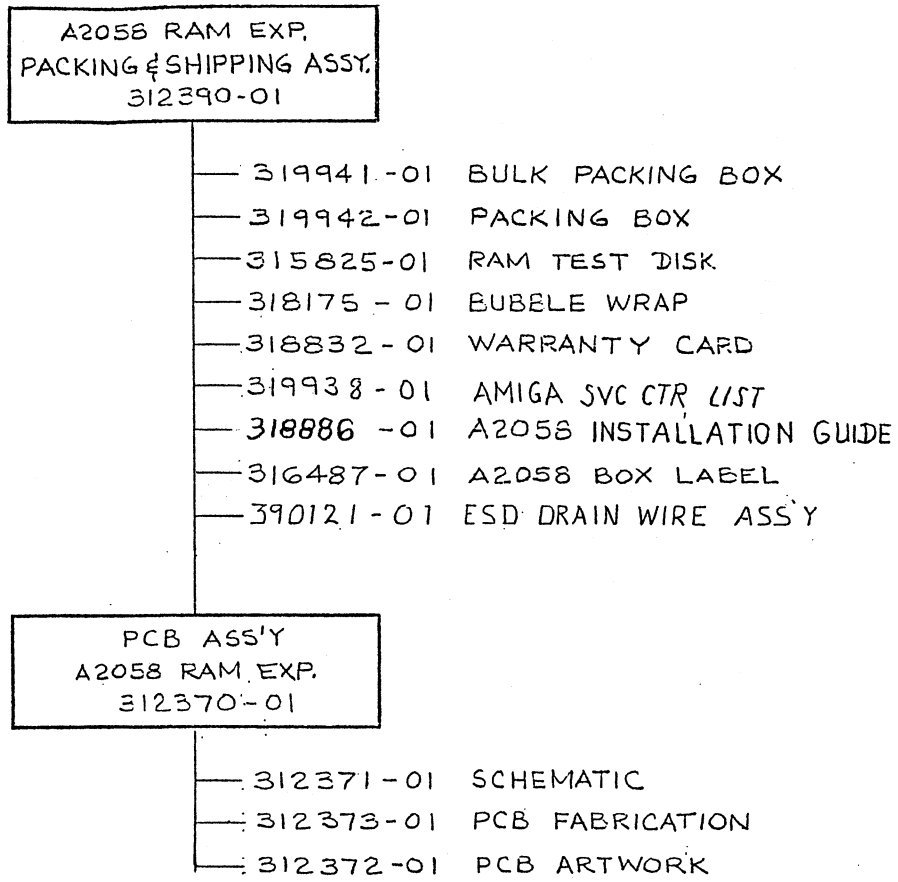
For 4MB of memory you must add 16 chips to the A2058 in the following locations: U16, U18, U24, U26, U28, U30 and U55 - U62. For 8MB of memory, all avialable chip locations are used. The chip locations are marked by the top lefthand corner of the chip block.

J1	J2	Memory Size
Closed	Closed	2 Megabytes
Closed	Open	4 Megabytes
Open	Open	8 Megabytes
Open	Closed	Auto-Config Disabled *

* When the A2058s auto-config hardware is disabled, the board can be automatically configured independently of the Amiga Operating System. **This is a board diagnostic mode only.**

REVISIONS

LTR	ZONE	DESCRIPTION	DATE	APPROVED
A		PILOT PRODUCTION RELEASE	12-17-87	
B		REVISED PER ECO 880009	3-29-88	



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		DATE
DRAWN BY:	T. COLEY	12-16-87
CHKD:		
ENGR:	J. BOYER	12-16-87
APPR:	C.P.	3-29-88

USED ON: AMIGA A2000
NEXT ASSY

commodore

DRAWING TREE
A2058 RAM EXP.

SIZE B | 312389 | REV B
SCALE NONE | SHEET 1 OF 1

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ADVANCED REPRO

PART NO.	DESCRIPTION
312370-01	PCB ASSY., A2000 RAM EXPANSION, 8MB
312370-02	PCB ASSY., A2000 RAM EXPANSION, 4MB
312370-03	PCB ASSY., A2000 RAM EXPANSION, 2MB

REVISIONS

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A		PILOT PRODUCTION RELEASE		
B		REVISED PER ECO 880031	4/19/88	R-Cuchr

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NOTES:

C.A.D. GENERATED

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TITLE: PCB ASSY., A2000 RAM EXPANSION

DRAWN BY: C. Santillana

CHKD:

DATE: 12-16-87

ENGR:

APPR:

SIZE: B

DRAWING NUMBER: 312370

SHEET 1 OF 3

REVISIONS				
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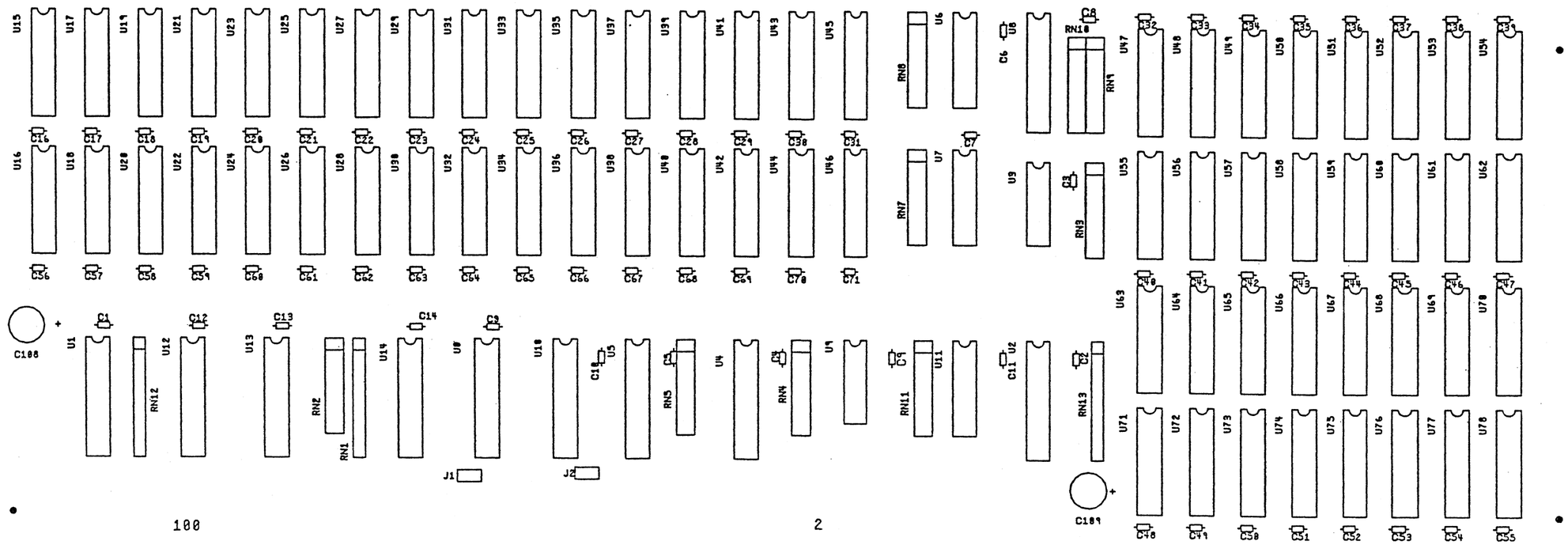

WCHEST 4-1-88
A2000 8-MB RAM
312372 REV 4
SILKTOP

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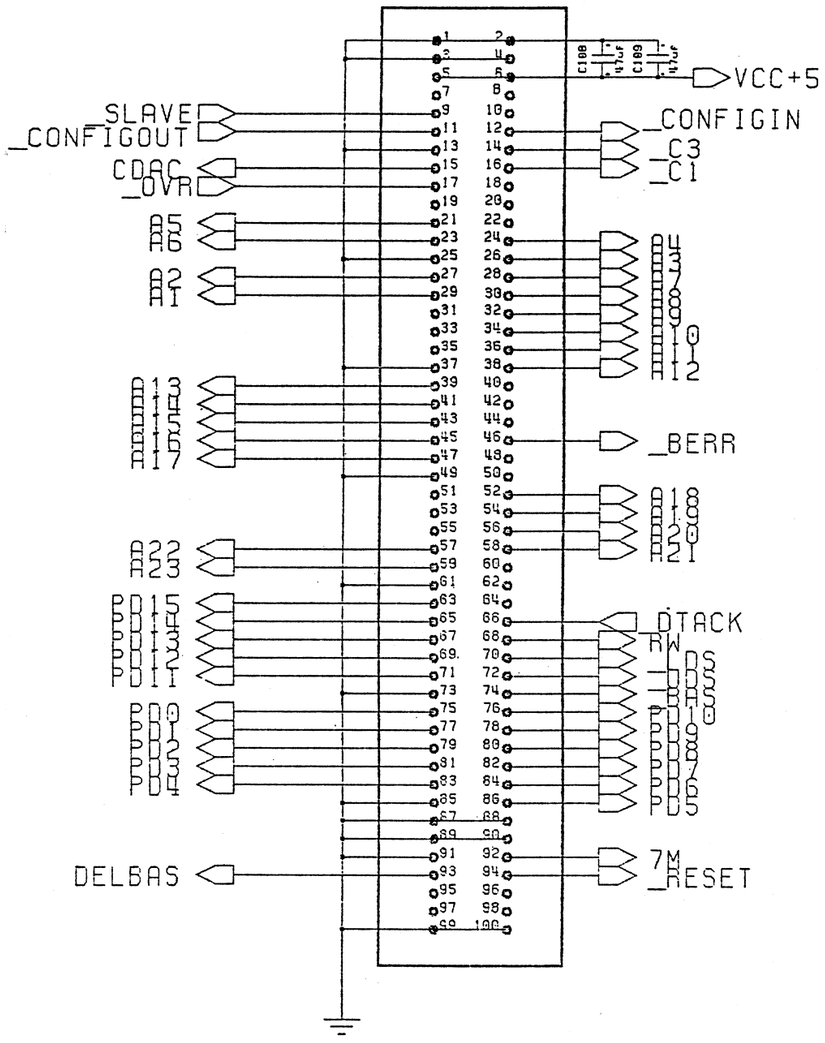
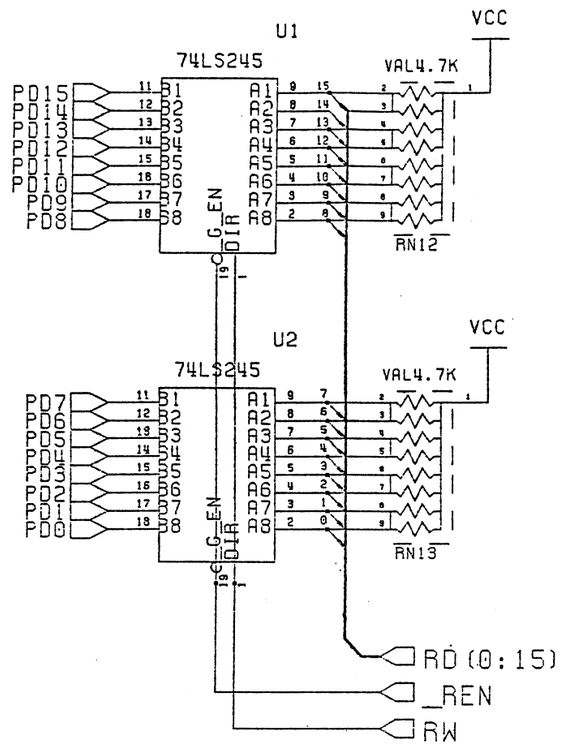
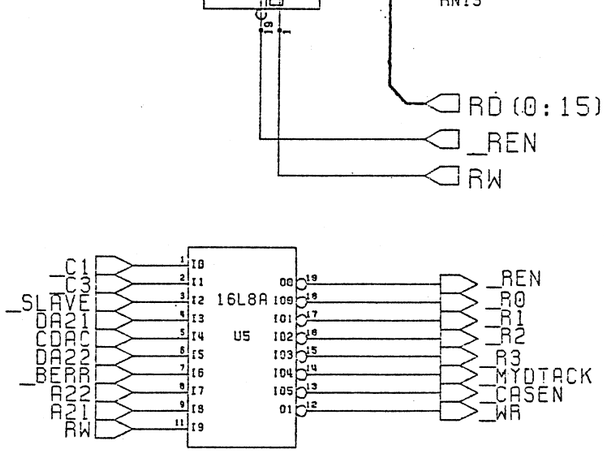
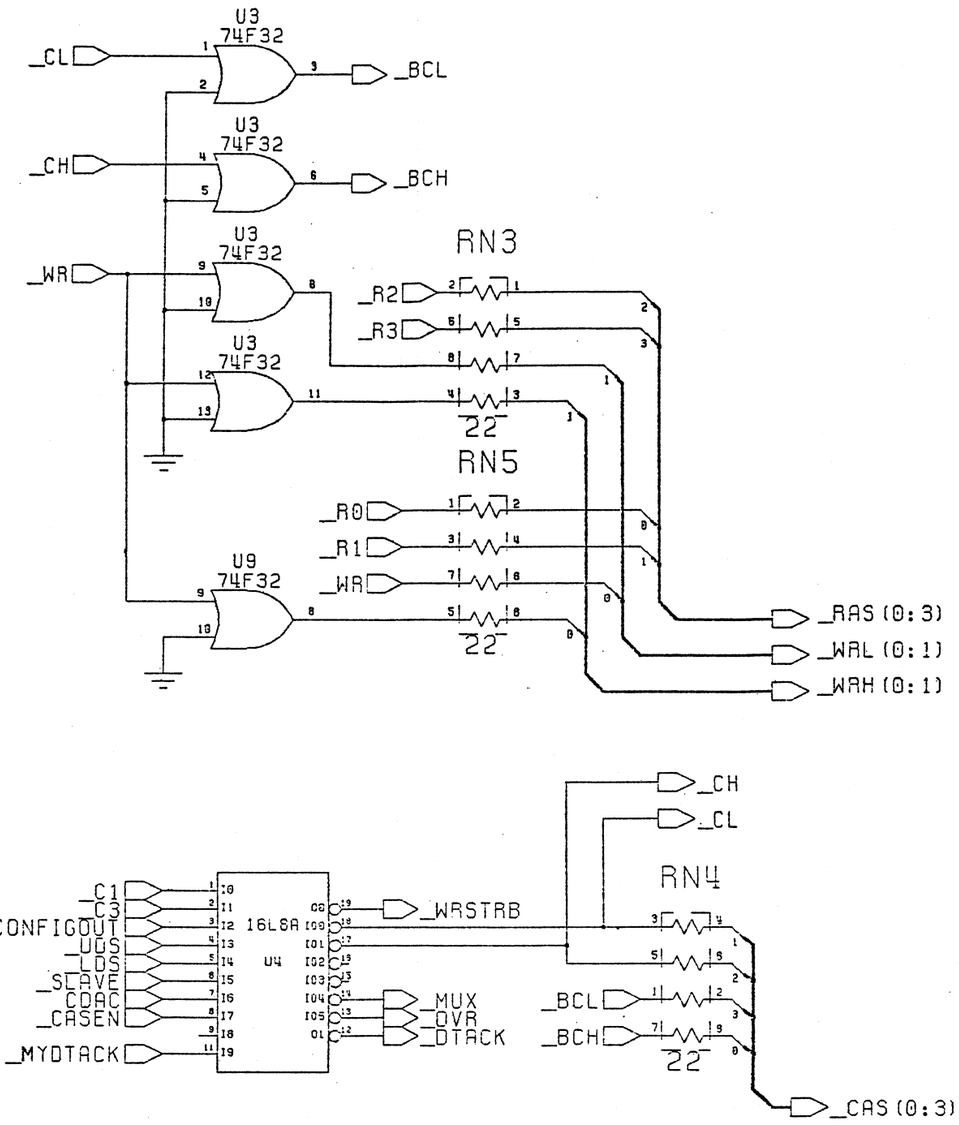
DRAWN BY: J. HOOPER	DATE 4-5-88	commodore
CHKD:		PCB ARTWORK
ENGR:		A2000 8MB RAM
APPR:		
MATERIAL:	USED ON: A2000	NEXT ASSY:
FINISH:		SIZE B · 312372 · REV B
		SCALE ~ · SHEET 1 OF 5

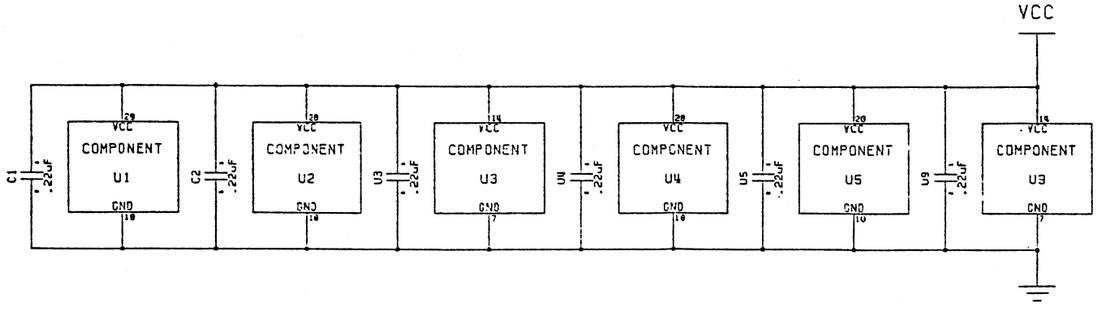
AMIGA EXPANSION BUS
100 PIN EDGE CONN.





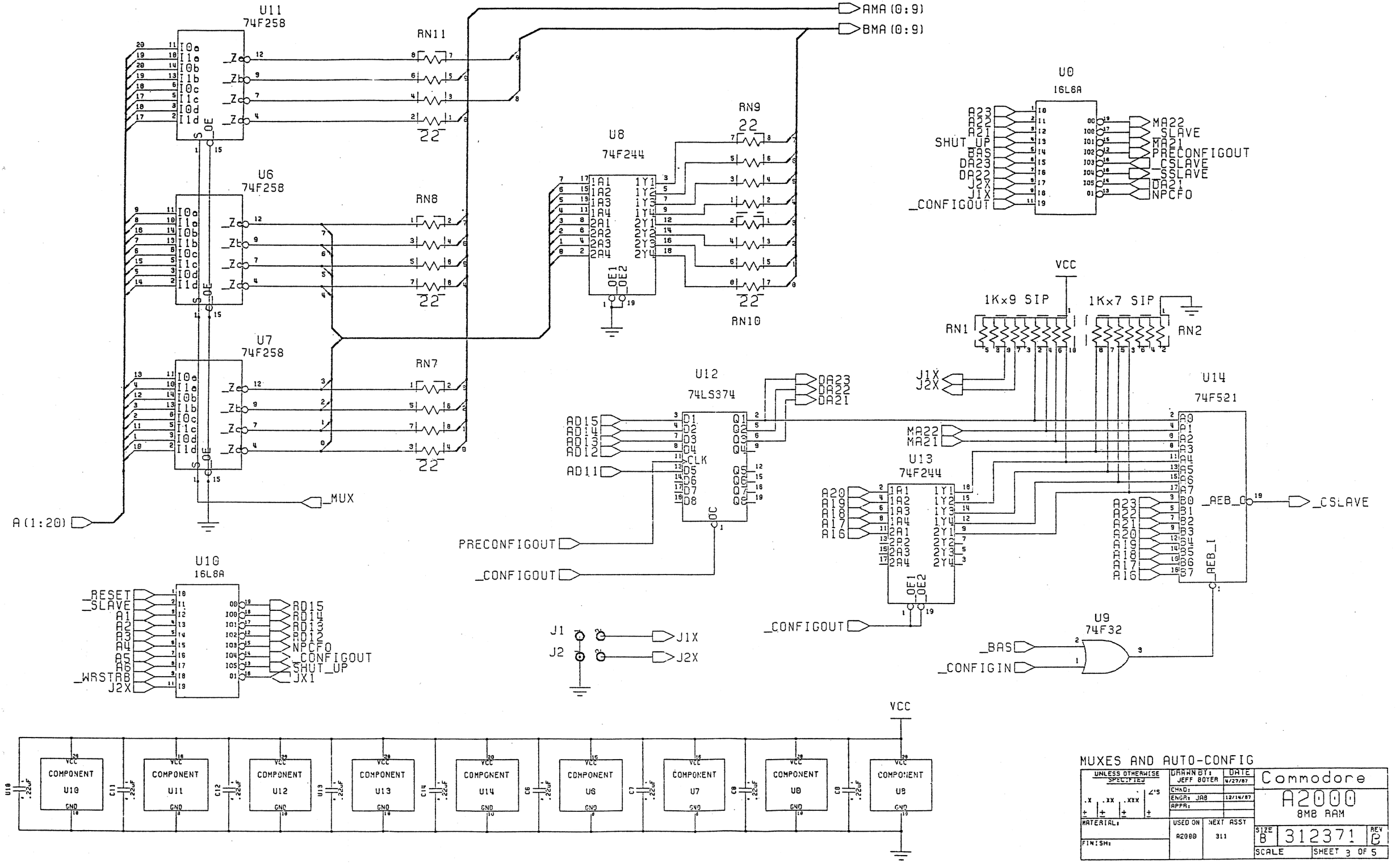






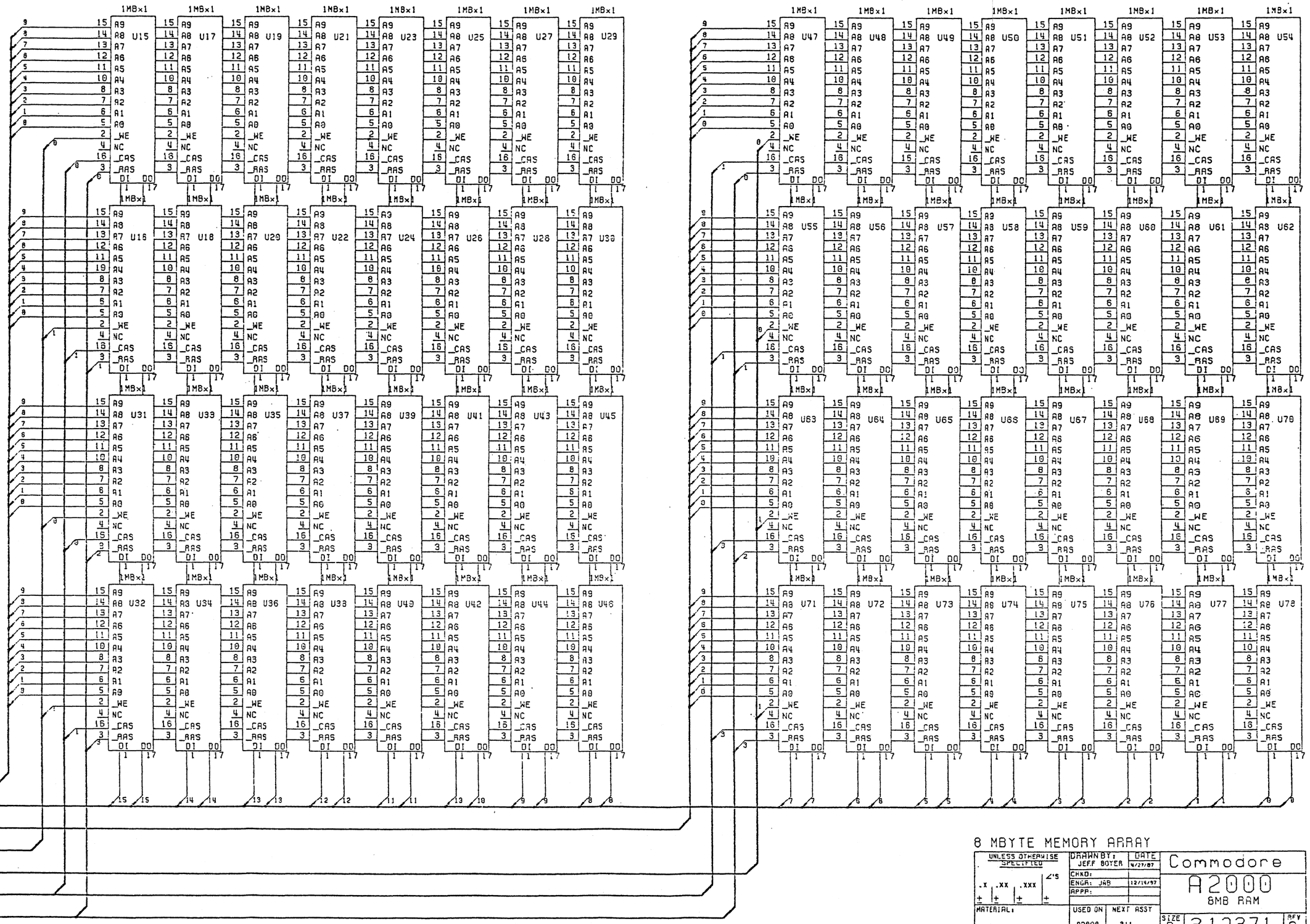
MEMORY CONTROL AND DATA BUFFERS

UNLESS OTHERWISE SPECIFIED .X ±, .XX ±, .XXX ±, ∠'S ±	DRAWN BY: J. BOYER	DATE 3/27/87	Commodore
	CHKD:		A2000 8MB RAM
	ENGR: J BOYER	12/14/87	
	APPR:		
MATERIAL:	USED ON AMIGA	NEXT ASSY 311	SIZE B 312371 REV B
FINISH:			SCALE SHEET 2 OF 5



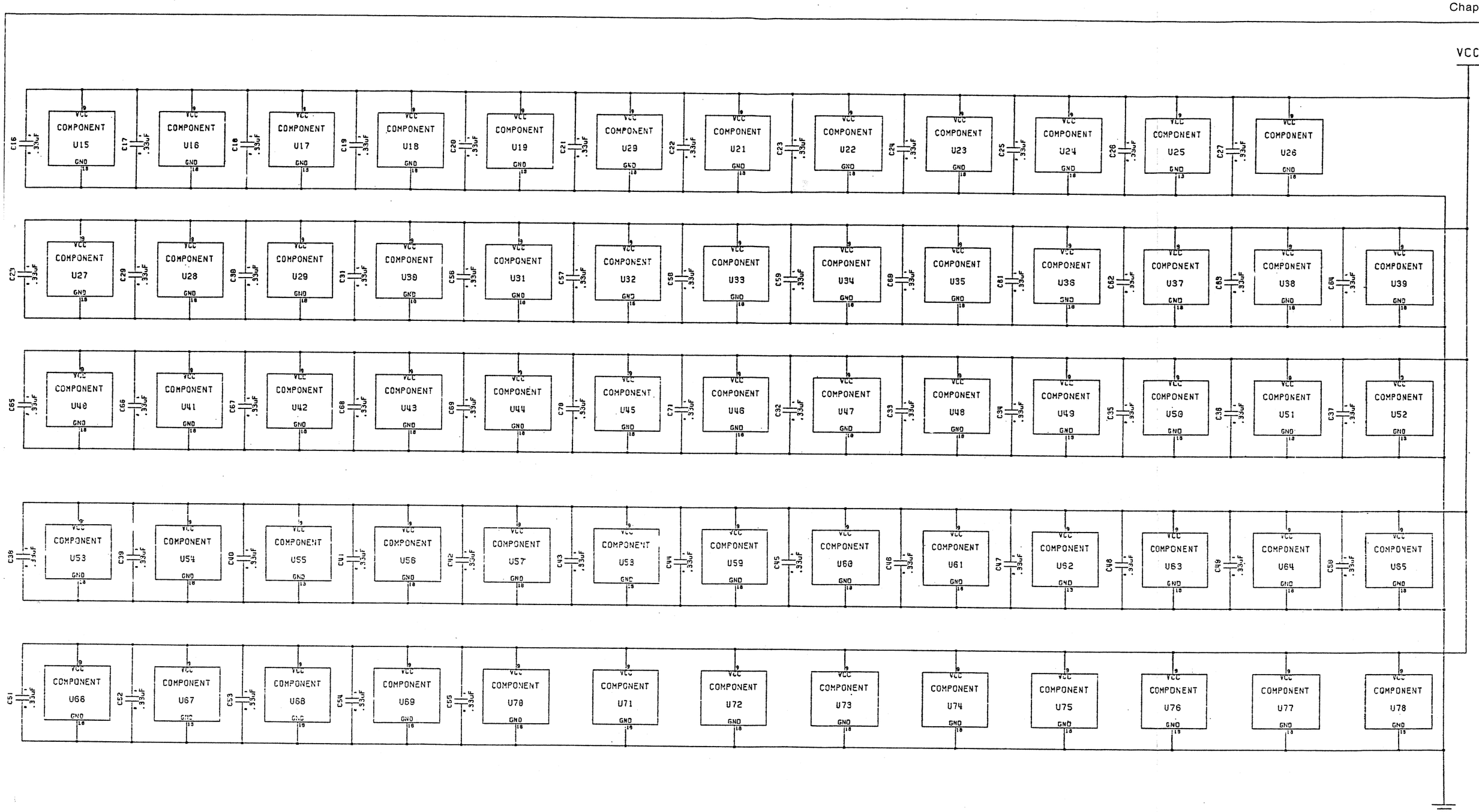
MUXES AND AUTO-CONFIG

UNLESS OTHERWISE SPECIFIED .X ±.1 .XX ±.01 .XXX ±.005 ∠ ±5°	DRAWN BY: JEFF BOYER	DATE: 9/29/87	Commodore
	CHKD:		A2000 8MB RAM
	ENGR: JAB	12/14/87	
	APPR:		
MATERIAL:	USED ON: A2000	NEXT ASST: 311	SIZE B 312371 REV E
FINISH:			SCALE SHEET 3 OF 5



8 MBYTE MEMORY ARRAY

UNLESS OTHERWISE SPECIFIED .X ±, .XX ±, .XXX ±, ∠'S ±	DRAWN BY: JEFF BOYER	DATE 4/27/87	Commodore
	CHKD:		A2000
	ENGR: JAB	12/14/87	8MB RAM
	APPR:		
MATERIAL:	USED ON: A2808	NEXT ASSY: 311	SIZE B 312371 REV 8
FINISH:			SCALE SHEET 4 OF 5



UNLESS OTHERWISE SPECIFIED: .X ± .XX ± .XXX ± ∠'S ±	DRAWN BY: J. BOYER	DATE: 9/27/87	Commodore
	CHKD:		A2000
	ENGR: JAB	12/14/87	8MB RAM
	APPR:		
MATERIAL:	USED ON: AMIGA	NEXT ASSY: 311	SIZE B 312371 REV B
FINISH:			SCALE SHEET 5 OF 5